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CLAIMS:

1. A closure system comprising a cap, a neck and tamper evident means integrally moulded in a unitary structure, the structure allowing the application of the cap to the neck whereupon the tamper evident means prevents the cap from being removed from the neck while the tamper evident means remains intact.

- 10 2. A closure system according to claim 1, wherein an intermediate member is joined to the neck at a first frangible connection and joined to the cap at a second frangible connection, the first frangible connection being adapted to break upon application of the cap to the neck whereupon the intermediate member co-operates with the neck and the cap to form said tamper evident means.
 - 3. A closure system according to claim 2, wherein said intermediate member comprises an annular band adapted to pass over the neck upon application of the cap to the neck and a transition member joined to the annular band, the transition member being adapted to co-operate with the neck to resist the subsequent removal of the annular band from the neck.

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- 4. A closure system according to claim 3, wherein the transition member is hinged to the annular band.
- 5. A closure system according to claim 3 or claim 4,
 wherein the annular band is joined to the transition member
 by a web, the web forming a hinge permitting the transition
 member to flex with respect to the annular band.

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- 6. A closure system according to claim 5, wherein the web constitutes a region of reduced thickness.
- 7. A closure system according to any of claims 3 to 6, wherein the neck is provided with a locking wall, the transition member being adapted to engage with the locking wall to resist subsequent removal of the annular band upon application of the cap to the neck.
- 10 8. A closure system according to any of claims 3 to 7, wherein the transition member is joined to the neck at said first frangible connection, said first frangible connection being adapted to break upon application of the cap to the neck only after the act of applying the cap to the neck causes the transition member to fold inwardly of the annular band.
 - 9. A closure system according to any of claims 3 to 8, wherein upon application of the cap to the neck the transition member hinges with respect to the annular band, folding inwardly and into engagement with a locking wall provided on the neck.

- 10. A closure system according to any of claims 3 to 9,
 wherein the annular band is joined to the cap at said second
 frangible connection, said second frangible connection being
 adapted to break upon the attempted removal of the cap from
 the neck.
- 30 11. A closure system according to any of claims 2 to 10, wherein said first and second frangible connections lie within respective parallel planes.

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- 12. A closure system according to any of claims 2 to 11, wherein one or both of said first and second frangible connections are formed as a line of weakness defined by a region of reduced thickness.
- 13. A closure system according to claim 8 and any of claims 9 to 12 when dependent upon claim 8, wherein the transition member is tapered in the direction of said first frangible connection so that the transition member is joined to the neck in a region of reduced thickness.

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- 14. A closure system according to any of claims 2 to 13, wherein one or both of said first and second frangible connections are formed as a plurality of frangible tabs.
- 15. A closure system according to claim 14, wherein said plurality of frangible tabs are circumferentially spaced with each tab being separated from an adjacent tab on either side by a pair of slits, each slit communicating at opposite ends thereof with a respective pair of apertures of increased cross-section.
- 16. A closure system according to claim 15 wherein a respective pair of apertures of increased cross-section constitutes an area of weakness disposed on either side of each of the tabs.
- 17. A closure system according to claim 3 and any of claims
 30 4 to 16 when dependent upon claim 3, wherein the transition
 member extends from the neck to the annular band within a
 generally frustoconical surface.

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18. A closure system according to claim 3 and any of claims 4 to 17 when dependent upon claim 3, wherein the transition member extends from the neck to the annular band in a direction which is inclined radially outwardly at an angle of between 22° and 32° to the axis of the closure system.

- 19. A closure system according to claim 3 and any of claims
 4 to 18 when dependent upon claim 3, wherein the transition
 10 member comprises a plurality of circumferentially spaced
 transition elements, the transition elements having a first
 circumferential dimension adjacent the annular band and a
 second circumferential dimension adjacent the neck, said
 first circumferential dimension being greater than said
 second circumferential dimension.
 - 20. A closure system according to claim 19, wherein the transition elements are separated by a plurality of apertures, the apertures being arranged in groups on circumferentially opposite sides of the transition member.

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21. A closure system according to claim 3 and any of claims 4 to 18 when dependent upon claim 3, wherein the transition member comprises one or more pleats or folds.

22. A closure system according to claim 3 and any of claims 4 to 18 when dependent upon claim 3, wherein the transition member comprises a plurality of circumferentially spaced

transition elements separated by areas of reduced thickness.

23. A closure system in accordance with any preceding claim, wherein the cap is provided with engagement means for

repeated and releasable engagement with complimentary engagement means provided on the neck.

- 24. A closure system according to claim 23 wherein the pair of complimentary engagement means comprise a pair of helical thread configurations.
- 25. A closure system according to claim 24 wherein the thread configuration provided on the neck is a female thread10 configuration.
 - 26. A closure system according to claim 24 or claim 25, wherein the pair of thread configurations are adapted so as to permit the application of the cap to the neck by means of an axially applied force whereupon the threads on the cap slide over those provided on the neck and then interengage.
- 27. A closure system according to claim 26, wherein the threads on the cap are orientated with respect to those on the neck in such a way that upon axial application of the cap to the neck the respective thread configurations are placed in optimal thread engagement.
- 28. A closure system according to any preceding claim,
 25 wherein the cap is provided with an annular plug for receipt
 within a bore of the neck.
- 29. A closure system in accordance with any preceding claim, wherein the closure system comprises a fitment for30 attachment to a carton or other container.

- 30. A closure system according to any of claims 1 to 28, wherein the closure system is integrally moulded with a container, the neck forming a neck of the container.
- 31. A method of closing a container in a tamper evident manner comprising the steps of moulding a neck of the container in one piece with a cap and tamper evident means to form a unitary structure and applying the cap to the neck in such a way that the cap is prevented from being removed from the neck while the tamper evident means remains intact.
 - 32. An integrally moulded closure system comprising a cap applied to a neck, the closure system including tamper evident means integrally moulded with the cap and neck, the tamper evident means preventing removal of the cap from the neck while the tamper evident means remains intact.